Trimble C Series

MECHANICAL TOTAL STATIONS

INSTRUMENTS

C3   C5   C5 HP
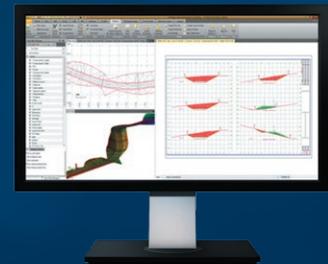
FIELD SOFTWARE

OFFICE SOFTWARE

Trimble Access™   Survey Software   Trimble Business Center

Demanding conditions. Long distances. Tight tolerances. No problem.

The Trimble® C Series offers a variety of accuracy and range features to fit the needs of every surveyor for every project. To help decide which mechanical total station is right for you, refer to the table on the next page for a feature comparison between the Trimble C3, C5, and C5 HP.

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Trimble C Series MECHANICAL TOTAL STATIONS

FEATURE COMPARISON

Compare*	C3	C5	C5 HP
Autofocus	Yes	Yes	No
EDM Spot Size	Standard	Standard	Very small
Battery Life	Full day	Full day	Extended day
1", 2", 3" and 5" models	Yes	Yes	Yes
Prism range	5000 m	5000 m	3000 m
Prism Accuracy	±(2 mm+2 ppm)	±(2 mm+2 ppm)	±(1 mm+1.5 ppm)
DR Range	800 m	800 m	500 m
DR Accuracy	±(3mm+2ppm)	±(3 mm+2 ppm)	±(2 mm+2 ppm)
EDM Measurement Principle	Time of Flight	Time of Flight	Phase Shift
EDM Spot size @ 30 m	60 mm	60 mm	26 mm
Autofocus	Yes	Yes	No
Measuring interval	1 s	1 s	1.6 s**
Laser Pointer	Yes	Yes	Yes
Laser Plummet	Optional except 1" models	Optional except 1" models	No
Tracklight	No	Yes	Yes
Reticle Illumination	No	Yes	Yes
Hot swappable batteries	Yes	Yes	Yes
Distance/Angle measurement every 30 s	18 h (AF every 30 s)	12 h (AF every 30 s)	18 h
Integrated Bluetooth	Class 2, short range	Class 1, Long Range	Class 1, Long Range
RS232C	Yes	Yes	Yes
USB Port	1 host	2 (host and client)	2 (host and client)
Display	Black and White	Color LCD Touch Screen	Color LCD Touch Screen
Intelligent Display	No	Yes	Yes
Memory	50,000 Points	512 MB RAM+4 GB	512 MB RAM+4 GB
Weight (Includes 2 batteries)	9.9 lb (4.5 kg)	9.9 lb (4.5 kg)	10.1 lb (4.5 kg)
IP66	Yes	Yes	Yes
Trimble Access	No	Yes	Yes
Onboard Application Solutions	No	Yes	Yes
3rd party Development	No	Yes	Yes

*   Refer to datasheet and FAQs for full details and limitations.
** Fastest one compared to other similar models

APPLICATIONS

C5 HP

Road Surveys

General Construction

Boundary

Mining

Bridge

Landscaping

C5

Steel Alignment

Ship Building

To learn more, visit: **https://trimble.com/c-series**

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